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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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of | 2

**Complete if Known**

Application Number	10/030,452
Filing Date	January 10, 2002
First Named Inventor	Masayuki YABUTA et al.
Group Art Unit	1646
Examiner Name	To Be Assigned
Attorney Docket Number	58777.000008

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Examiner Signature** \_\_\_\_\_ **Date Considered** \_\_\_\_\_

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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	P1	TSAI, Larry B. et al., "Control of Misincorporation of De Novo Synthesized Norleucine into Recombinant Interleukin-2 in <i>E. Coli</i> ," <i>Biochemical and Biophysical Communications</i> , 156(2):733-739 (1988).	
	P2	BOGOSIAN, George, "Biosynthesis and Incorporation into Protein of Norleucine by <i>Escherichia coli</i> ," <i>The Journal of Biological Chemistry</i> , 264(1):531-539 (1989).	
	P3	APOSTOL, Izidor, et al., "Incorporation of Norvaline at Leucine Positions in Recombinant Human Hemoglobin Expressed in <i>Escherichia coli</i> ," <i>The Journal of Biological Chemistry</i> , 272(46):28980-28988 (1997).	
	P4	KANGAWA, Kenji, et al., "Purification and Complete Amino Acid Sequence of $\alpha$ -Human Atrial Natriuretic Polypeptide ( $\alpha$ -hANP)," <i>Biochemical and Biophysical Research Communications</i> , 118(1):131-139 (1984).	
	P5	MASAKI, Takeharu; et al., "Studies on a New Proteolytic Enzyme from <i>Achromobacter Lyticus</i> M4971 II. Specificity and Inhibition Studies of <i>Achromobacter</i> Protease 1," <i>Biochimica et Biophysica Acta</i> , 660:51-55 (1981).	
	P6	NEIDHARDT, Frederick C., et al., "Chemical Composition of <i>Escherichia coli</i> ," <i>Escherichia coli and Salmonella Cellular and Molecular Biology</i> , Vol. I, pp. 13-16, ASM Press, Washington, DC (1996).	
	P7	TWIGG, Andrea J., et al., "Trans-Complementable Copy-Number Mutants of Plasmid ColE1," <i>Nature</i> , 283:216-218 (1980).	
	P8	KREDICH, Nicholas M., "Biosynthesis of Cysteine," <i>Escherichia coli and Salmonella Cellular and Molecular Biology</i> , Vol. I, pp.514-527, ASM Press, Washington, DC (1996).	
	P9	VOET, Donald et al., <i>Biochemistry</i> , Vol. 2, Second Edition, Tokyo Kagaku Dojin, pp. 869-870 (1988).	

Examiner Signature

Date Considered

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**PATENT**

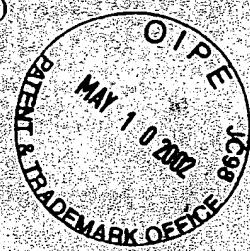
**PROVISIONAL**  
 **UTILITY**

**DESIGN**  
 **PCT**

Application No.: 10/030,452 Date: May 10, 2002  
Client/Matter No.: 58777.000008 Client: Yuasa & Hara  
Inventor(s): Masayuki YABUTA et al. Atty/Sec: RMS/JTP:nej  
Title: METHODS FOR REDUCING THE FORMATION OF BY-  
PRODUCTS IN THE PRODUCTION OF RECOMBINANT  
POLYPEPTIDES

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 Nineteen (19) cited references  
 Copy of International Search Report



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